

Use Bud Enclosure PN-1320

All through hole parts

Title: **Teensy CAN Logger w/ Compass**

Project: Teensy with Compass.PrjPcb

Size: Letter

Rev: 2

Date: 7/4/2016

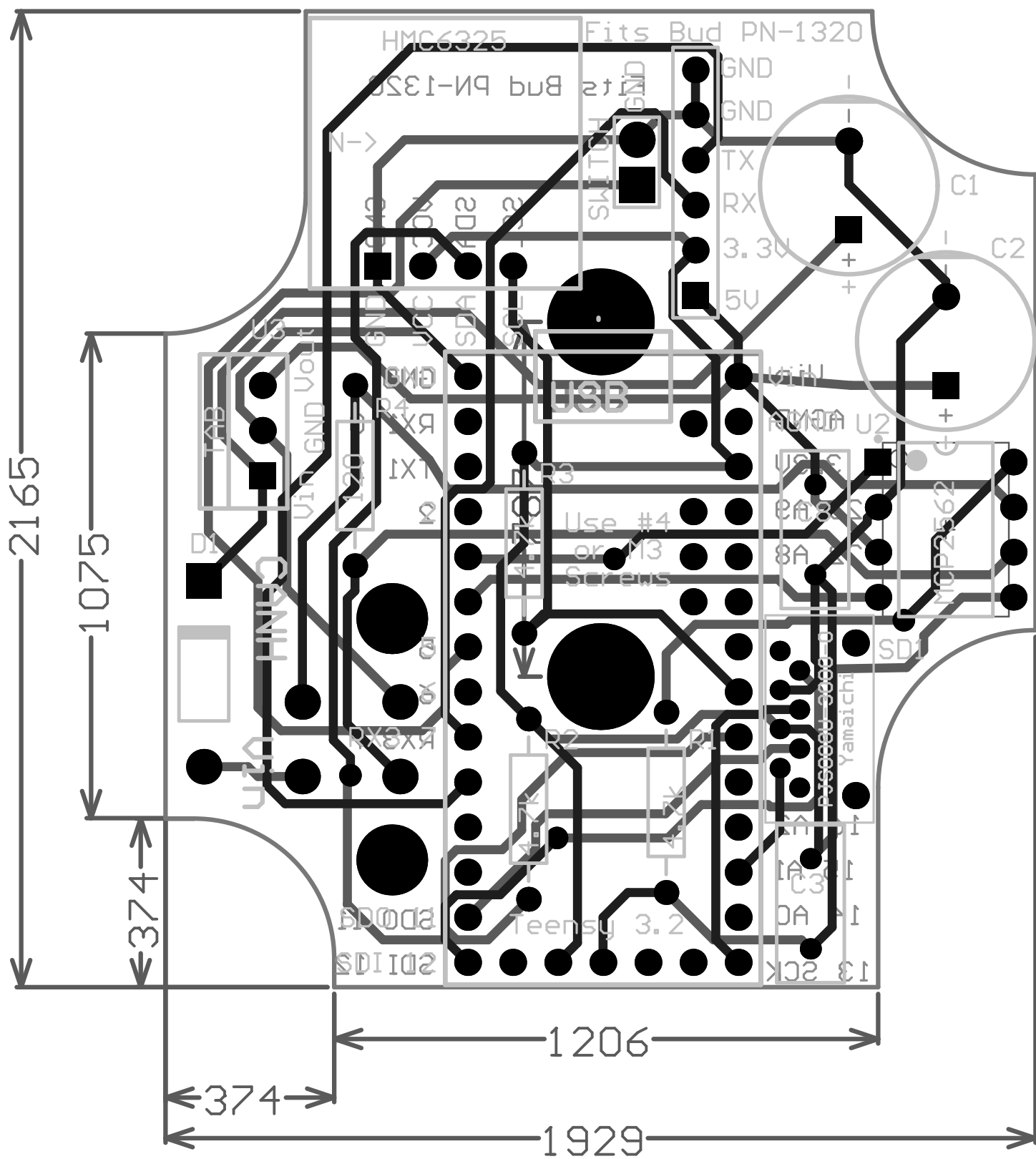
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Sheet 1 of 1

File: C:\Users\jeremy-daily.UTULSA\Dropbox (JHSI)\Electronics\Teensy with Compass\Teensy with Compass V2.SchDoc

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Comment	Description	Designator	Footprint	LibRef	Manufacturer 1	Manufacturer Part Number 1	Quantity	Supplier 1	Supplier Currency 1	Supplier Order Qty 1	Supplier Part Number 1	Supplier Stock 1	Supplier Subtotal 1	Supplier Unit Price 1
Header 2	Header, 2-Pin	SWITCH	HDR1X2	Header 2			1							
Header 6	Header, 6-Pin	P6	HDR1X6	Header 6			1							
HMC6352	Sparkfun Compass Module - HMC6352 SEN-07915	HMC6352	HMC6325	HMC6352			1							
100uF	CAP ALUM 100UF 20% 63V RADIAL	C1, C2	Elec. Cap 5 x 10mm	Electrolytic Cap	Panasonic Electronic Components	EEU-FC1J101	2	Digi-Key	USD	2	P10343-ND	34782	1.08	0.54
120	Resistor	R4	AXIAL-0.4	Res2	Stackpole Electronics Inc.	CF14JT120R	1	Digi-Key	USD	1	CF14JT120RCT-ND	42313	0.1	0.1
4.7k	Resistor	R1, R2, R3	AXIAL-0.4	Res2	Stackpole Electronics Inc.	CF14JT4K70	3	Digi-Key	USD	3	CF14JT4K70TR-ND	650000		
MCP2562-E/P	High-Speed CAN Transceiver, 8-Pin PDIP, Extended Temperature	U2	PDIP300-P8	MCP2551-E/P	Microchip Technology	MCP2562-E/P	1	Digi-Key	USD	1	MCP2562-E/P-ND	746	0.93	0.93
OKI-78SR	5V DC/DC Converter (7805 replacement)	U3	78xx	7805	Murata Power Solutions Inc.	OKI-78SR-5/1.5-W36-C	1	Digi-Key	USD	1	811-2196-5-ND	7394	4.3	4.3
0.1uF	CAP CER 0.1UF 50V 10% X7R 0603	C3, C8	RAD-0.2	Cap	AVX	SR215C104KAA	2	Mouser	USD	2	581-SR215C104K	14368	0.2	0.1
4 Pos Mini-Fit Jr.	CONN HEADER 4POS 4.2MM VERT TIN	J1	4 POS Vertical MINI-FIT JR	4 Pos Header Vert	Molex	39-29-9043	1	Mouser	USD	1	538-39-29-9043	3118	0.65	0.65
microSD	Memory Card Connectors MicroSD Card Conn Ver Dip Mnt Manual	SD1	SD- Vertical	SD Card Holder Vertical	Yamaichi Electronics	PJS008U-3000-0	1	Mouser	USD	1	945-PJS008U-3000-0	2524	0.87	0.87
STPS2150	1 Amp General Purpose Rectifier	D1	DO-41	Diode 1N4003	STMicroelectronics	STPS2150	1	Mouser	USD	1	511-STPS2150	8619	0.4	0.4
Teensy 3.2	32 Bit Arduino-Compat	Teensy 3.2	Teensy	Teensy	Supplier disabled	Supplier disabled	1	Sparkfun	Supplier disabled		DEV-13736			